



LORNE GIFFORD

Associate,
Civil Structural &
Subsea Engineer

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Nationality

British

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30 years subsea, offshore and marine engineering, primarily with operators, contractors and consultancies. Experience covers pipelines, cables, risers and structures in the oil & gas, renewables and marine industries.

Lorne has worked on all aspects of projects and operations, from initial development, through detailed design, construction, installation, commissioning, integrity management, remediation, casualty investigation and expert witness.

EDUCATION AND QUALIFICATIONS

BSc (Hons) Civil Engineering, The University of Manchester.

Chartered Engineer, Member of the Institute of Marine Engineers.

Registered & Accredited Subsea Engineer, Member of the Society for Underwater Technology.

EXPERIENCE

2016 - Brookes Bell LLP, Marine & Subsea Infrastructure Engineer

Marine pipeline, power and telecom cable failures and expert witness.

Port damages, expert witness and reinstatement including ship-lifts, sea defenses, crane & chiksan collapse, fenders and quaysides.

Offshore wind systems including fixed and floating structures, jack-up and other installation vessels.

PREVIOUS

NeuConnect HVDC Interconnector - Definition and development of the UK-Germany 1.4 GW power interconnector.

ADCO Al Dabb'iyah, Abu Dhabi - Construction of pipelines and power cables from drilling islands to onshore process plant.

BP Angola blocks 18 & 31 - Subsea technical authority and integrity management for start-up to mid-life operations of two ultra-deep oil fields.

Offshore Renewable Energy Alliance – Alliance formation, project definition, engineering and tender management of two large UK offshore windfarms.

BG, Trinidad, NCMA3b – Project engineer and construction manager for subsea pipelines. Mercury field, UK North Sea - Project engineer and offshore construction manager for subsea tie-back.

Newfield Petroleum, Grove & Grove West, UK North Sea - Project manager for pipelines and control/power umbilicals.

Nexen Petroleum, Buzzard Field, UK North Sea - Project engineer and offshore construction manager for pipeline systems, subsea hot-tap into Forties main oil line and manifold connection to Frigg gas line.

Total Petroleum, Alwyn Liquids Export, UK North Sea – Pipeline engineering, project engineer and offshore construction manager.

BP Foinaven, West of Shetlands - Investigation, repair and modification of super duplex subsea manifolds.

London Marine Group, Cakerawala & Bongkot, Gulf of Thailand - Project manager for design & engineering of turret, moorings and riser systems on a new build FSO. Management and engineering of temporary FSO replacement. C137B, Libya - Design and engineering of FPSO turret & riser systems.

Conoco, Jupiter and Victor, UK North Sea - Project engineer for pipelines, umbilicals, subsea hot-tapping and seabed manifolds. Field development studies for Viking area satellite fields.

Allseas Group, Norske Shell Draugen, Norwegian North Sea - Engineering and installation of pipeline end manifolds and pipelines using a J-lay method. Statoil Sleipner, Norwegian North Sea - Engineering and installation of high impact resistant large subsea structures using an innovative steel-concrete sandwich construction. Exxon Santa Ynez, California - Engineering of deepwater pipeline deflect-to-connect, J-tube pulling and flexible pipeline installation. L7B & L7BB, Dutch North Sea - Survey, design and engineering of repairs to primary and secondary jacket and topside steel for two platforms damaged by a rogue wave significantly above the 100-year wave height.

KBR/JBC, BP Miller, UK North Sea - Engineering of platform jacket, module substructure and foundations. Piper Alpha & Bravo, UK North Sea - Explosion and collapse analysis of Alpha platform. Structural engineering of replacement

OTHER ACTIVITIES

Development of wind turbine gravity base substructures, free-stream tidal engineering, heat engines and thermodynamic processes. Strain based pipeline S-lay installation. Ultra-deep high diameter pipelines. Power interconnector distance, depth and integrity monitoring extension. Numerous technical papers, presentations, university and professional lectures.